

LPDES PERMIT NO. LA0032417 (Agency Interest No. 1214)

**LPDES FACT SHEET and RATIONALE
FOR THE DRAFT LOUISIANA POLLUTANT DISCHARGE ELIMINATION SYSTEM
(LPDES) PERMIT TO DISCHARGE TO WATERS OF LOUISIANA**

- I. Company/Facility Name:** Calumet Shreveport Lubricants & Waxes, LLC
Calumet Shreveport Refinery
P.O. Box 3099
Shreveport, Louisiana 71133-3099
- II. Issuing Office:** Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Water Permits Division
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313
- III. Prepared By:** Melanie Beard Connor
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Date Prepared: February 3, 2010

LAC 33:IX Citations: Unless otherwise stated, citations to LAC 33:IX refer to promulgated regulations listed at Louisiana Administrative Code, Title 33, Part IX.

40 CFR Citations: Unless otherwise stated, citations to 40 CFR refer to promulgated regulations listed at Title 40, Code of Federal Regulations in accordance with the dates specified at LAC 33:IX.4901, 4903, and 2301.F.

IV. Permit Action/Status:

A. Reason For Permit Action:

Proposed modification of a Louisiana Pollutant Discharge Elimination System (LPDES) permit.

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- B. LPDES permit: Permit effective date: October 1, 2008
Permit expiration date: September 30, 2013

EPA has retained enforcement authority.

- C. Modification request received date: February 3, 2009

V. Facility Information:

- A. Location – 3333 Midway Street, Shreveport, Caddo Parish

- B. Applicant Activity -

According to the application, Calumet Shreveport Lubricants & Waxes, LLC/Calumet Shreveport Refinery, is a petroleum refinery involved in the production of diesel, feedstocks, lube oils, waxes and solvents.

VI. Nature of Modification:

Calumet requested to remove Outfalls 005 and Outfall 006 from the permit, and requested to add Outfall 008. This outfall (Outfall 008) is currently covered under the facility's Multi Sector Storm Water General Permit (MSGP). Site operations have expanded so that industrial activity occurs within the Outfall 008 drainage area. Approval to remove Outfalls 005 and 006 and add Outfall 008 will allow Calumet to consolidate three storm water outfalls into one outfall and discontinue MSGP coverage.

VII. Receiving Waters: Wallace Lake via Brush Bayou

- A. River Basin: Red River, Segment No.: 100603
B. Designated Uses: primary contact recreation, secondary contact recreation, fish and wildlife propagation, and agriculture

VIII. Outfall Information:

Outfall 008

- A. Type of wastewater – The intermittent discharge of low contamination potential non-process area stormwater runoff from storage tank diked areas and laydown areas

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- B. Location – At the point of discharge from the facility property line in the ditch in the southwest corner of the facility. (Latitude 29°29'14", Longitude 90°27'14").
- C. Treatment – None
- D. Flow – Intermittent, flow varies with rainfall
- E. Receiving waters – Wallace Lake via Brush Bayou

IX. Proposed Permit Limits and Rationale:

Outfall 008 – The intermittent discharge of low contamination potential non-process area stormwater runoff from storage tank diked areas and laydown areas

Parameter	Proposed Permit Limitations		Monitoring Freq.	Rationale
	Monthly Avg mg/l	Daily Max mg/l		
Flow	Report	Report	1/quarter	LAC 33:IX.2707.I.1.b.
pH	6.0 s.u. (Min)	9.0 s.u. (Max)	1/quarter	LAC 33:IX.1113.C.1 and LDEQ Stormwater Guidance*
TOC	---	50 mg/l	1/quarter	LDEQ Stormwater Guidance*
Oil & Grease	---	15 mg/l	1/quarter	LDEQ Stormwater Guidance*

* LDEQ Stormwater Guidance - Letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6).

X. Compliance History/DMR Review:

DMR Review (for the period January 2008 – December 2009):

No excursions were reported for the outfalls related to this permit modification.

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DMR Review (excursions for the period January 2008 – December 2009):

<u>Date</u>	<u>Parameter</u>	<u>Outfall</u>	<u>Reported (lbs/day)</u>	<u>Permit Limit (lbs/day)</u>
June 2008	Oil & Grease	007	22.5 mg/l	15 mg/l
Sept. 2008	Ammonia	001	354 (max)	232 (max)
Sept. 2008	Ammonia	001	12.2 mg/l	5 mg/l
Sept. 2008	Sulfate	001	324 mg/l	250 mg/l
Oct. 2008	Ammonia	001	11.7 mg/l	5 mg/l
Dec. 2008	TSS	001	3164	1735
Jan. 2009	Ammonia	001	252	232
Jan. 2009	Ammonia	001	5.8 mg/l	5 mg/l
Feb. 2009	Ammonia	001	251	232
Feb. 2009	Ammonia	001	12.5 mg /l	5 mg/l
March 2009	Ammonia	001	488	232
March 2009	Ammonia	001	7.9 mg/l	5 mg/l
June 2009	Ammonia	001	799	232
June 2009	Ammonia	001	46.9 mg/l	5 mg/l
July 2009	Ammonia	001	9 mg/l	5 mg/l

Inspections: The facility was last inspected on 9/3/2009 as a result of a complaint. No areas of concern were noted during the inspection.

XI. Endangered Species:

The receiving waterbody for Calumet Shreveport Lubricants & Waxes is Subsegment 100603 of the Red River Basin. Segment 100603 is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated January 8, 2010, from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

XII. Historic Sites:

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the

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"Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

XIII. Tentative Determination:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharges described in the application.

XIV. Variances:

No requests for variances have been received by this Office.

XV. Public Notices:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit major modification and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the fact sheet. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

A public notice will be published in a local newspaper of general circulation and in the Office of Environmental Services Public Notice Mailing List.

XVI. TMDL Waterbodies:

For Subsegment 100603 of the Red River Basin, a TMDL for Turbidity, Sediments and TSS became effective on April 19, 2007. According to the TMDL, because point source discharges were considered to have negligible effect on existing violations of water quality standards, no load reductions were assigned to point sources. The TMDL further stated that no reductions were needed for Wallace Lake because all of the turbidity measurements for Wallace Lake were below the applicable numeric criterion. For these reasons, no effluent limitations for TSS or Turbidity have been included in the draft LPDES permit major modification for Calumet.